

Use Attainability Analysis

for

WBID 0531 Brushy Creek (C)

Submitted by

Alliance Water resources

To

Missouri Department of Natural Resources

Water Protection Program

Date Received: November 30, 2006

Field Data Sheets for Recreational Use Stream Surveys

**Data Sheet A - Water Body Identification**

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WATER PROTECTION PROGRAM

Water Body Name: (from USGS 7.5' quad)	Brushy Creek	
8-digit ITUC	10280101	
Missouri WBID #	0531	
County	Caldwell	
Upstream Legal Description	No!	
Downstream Legal Description	Mouth to 8.57N, 29W Caldwell	
Upstream Coordinates (UGS 84, ddd.dddd)	39.7668884	94.1811950
Downstream Coordinates (UGS 84, ddd.dddd)	39.7151484	94.1568116
Discharger Facility Name(s)		
Discharger Permit Number(s)		
Number of Sites Evaluated	4	
Name of Surveyor and Telephone Number	Phil Webster	816-632-7361
Organization	Alliance Water Resources	
Position	Local Manager	

I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate.

Signed:

*Phil Webster*

Date:

- 10-5-06

## Field Data Sheets for Recreational Use Stream Surveys

### Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Not on 2nd

Missouri WBID #: <u>0531</u>		Site Location Description: <u>Oregon Drive Bridge</u>	
Site GPS Coordinates: <u>39.7668</u> <u>94.1811</u>		Facility Name: _____	
Date & Time: <u>10-5-06</u> <u>13:30</u>		Permit Number: _____	
Personnel: <u>Phil Webster</u> <u>Tad Pruitt</u>		Weather Conditions for Past 7 days: <u>Warm &amp; Dry</u>	
Current Weather Conditions: <u>Warm &amp; Dry</u>		Other: <u>Warm &amp; Dry</u>	
Photo Ids: Upstream: <u>✓</u>	Downstream: <u>✓</u>	Other: _____	

#### Uses Observed\*:

<input type="checkbox"/> Swimming	<input type="checkbox"/> Skin diving	<input type="checkbox"/> SCUBA diving	<input type="checkbox"/> Tubing	<input checked="" type="checkbox"/> Water skiing
<input type="checkbox"/> Wind surfing	<input type="checkbox"/> Kayaking	<input type="checkbox"/> Boating	<input type="checkbox"/> Wading	<input type="checkbox"/> Rafting
<input type="checkbox"/> Hunting	<input type="checkbox"/> Trapping	<input type="checkbox"/> Fishing	<input type="checkbox"/> None of the above	<input type="checkbox"/> Other: _____
Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreational uses, etc.)				

**Surrounding Conditions\*:** (Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.)

<input type="checkbox"/> City/county parks	<input type="checkbox"/> Playgrounds	<input type="checkbox"/> MDC conservation lands	<input type="checkbox"/> Urban areas	<input type="checkbox"/> Campgrounds
<input checked="" type="checkbox"/> Boating accesses	<input type="checkbox"/> State parks	<input checked="" type="checkbox"/> National forests	<input checked="" type="checkbox"/> Nature trails	<input type="checkbox"/> Stairs/walkway
<input type="checkbox"/> No trespass sign	<input checked="" type="checkbox"/> Fence	<input type="checkbox"/> Steep slopes	<input type="checkbox"/> Other: _____	

#### Evidence of Human Use\*:

<input checked="" type="checkbox"/> Roads	<input type="checkbox"/> Foot paths/prints	<input type="checkbox"/> Dock/platform	<input type="checkbox"/> Livestock Watering	<input type="checkbox"/> RV / ATV Tracks
<input type="checkbox"/> Rope swings	<input type="checkbox"/> Camping Sites	<input type="checkbox"/> Fire pit/ring	<input type="checkbox"/> NPDES Discharge	<input type="checkbox"/> Fishing Tackle
<input type="checkbox"/> Other: _____				

**Site Locations Map(s):** Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

\*Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

Oregon Bridge? Site #1?

## Stream Morphology:

## Upstream View Physical Dimensions:

<input type="checkbox"/> Riffle	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input type="checkbox"/> Run	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input type="checkbox"/> Pool	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input type="checkbox"/> Flow Present?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Estimated (ft <sup>3</sup> /sec):	

## Downstream View Physical Dimensions:

<input type="checkbox"/> Riffle	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input type="checkbox"/> Run	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input type="checkbox"/> Pool	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input type="checkbox"/> Flow Present?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Estimated (ft <sup>3</sup> /sec):	

## Substrate\*: (These values should add up to 100%.)

% Cobble	% Gravel	% Sand	% Silt	100	% Mud/Clay	% Bedrock
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## Aquatic Vegetation\*: (note amount of vegetation or algal growth at the assessment site)

Dry bed filled w/ leaves
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## Water Characteristics\*: (Mark all that apply.)

Odor:	<input type="checkbox"/> Sewage	<input type="checkbox"/> Musky	<input type="checkbox"/> Chemical	<input type="checkbox"/> None	<input type="checkbox"/> Other: No water
Color:	<input type="checkbox"/> Clear	<input type="checkbox"/> Green	<input type="checkbox"/> Gray	<input type="checkbox"/> Milky	<input type="checkbox"/> Other: No water
Bottom Deposit:	<input type="checkbox"/> Sludge	<input type="checkbox"/> Solids	<input type="checkbox"/> Fine sediments	<input type="checkbox"/> None	<input type="checkbox"/> Other: No water
Surface Deposit:	<input type="checkbox"/> Oil	<input type="checkbox"/> Scum	<input type="checkbox"/> Foam	<input type="checkbox"/> None	<input type="checkbox"/> Other: No water

Comments: Please attach additional comments (including information from interviews) to this form.

\*This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that affect another use.

I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate.

Signed: [Signature] Date: 10-5-06Organization: Alliance Water Resources Position: Local Manager

Oregon Bridge  
Downstream  
Lat: 39.7668884  
Lon: 94.1811950



Oregon Bridge  
Upstream  
Lat: 39.7668884  
Lon: 94.1811950



5/27/1

# Field Data Sheets for Recreational Use Stream Surveys

Site #2?

## Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID #: 0531	Site Location Description: Highway 36 Bridge	
Site GPS Coordinates: 39.7515 94.1679	Facility Name:	
Date & Time: 10-5-06 14:16	Permit Number:	
Personnel: Phil Webster Tad Pruitt	Weather Conditions for Past 7 days: Warm & Dry	
Current Weather Conditions: Warm & Dry	Other:	
Photo Ids: Upstream: <input checked="" type="checkbox"/>	Downstream: <input checked="" type="checkbox"/>	Other: <input type="checkbox"/>

### Uses Observed\*:

<input type="checkbox"/> Swimming	<input type="checkbox"/> Skin diving	<input type="checkbox"/> SCUBA diving	<input type="checkbox"/> Tubing	<input type="checkbox"/> Water skiing
<input type="checkbox"/> Wind surfing	<input type="checkbox"/> Kayaking	<input type="checkbox"/> Boating	<input type="checkbox"/> Wading	<input type="checkbox"/> Rafting
<input type="checkbox"/> Hunting	<input type="checkbox"/> Trapping	<input type="checkbox"/> Fishing	<input checked="" type="checkbox"/> None of the above	<input type="checkbox"/> Other:

Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreational uses, etc.)

### Surrounding Conditions\*:

(Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.)

<input type="checkbox"/> City/county parks	<input type="checkbox"/> Playgrounds	<input type="checkbox"/> MDC conservation lands	<input type="checkbox"/> Urban areas	<input type="checkbox"/> Campgrounds
<input type="checkbox"/> Boating accesses	<input type="checkbox"/> State parks	<input type="checkbox"/> National forests	<input type="checkbox"/> Nature trails	<input type="checkbox"/> Stairs/walkway
<input type="checkbox"/> No trespass sign	<input type="checkbox"/> Fence	<input checked="" type="checkbox"/> Steep slopes	<input type="checkbox"/> Other:	

### Evidence of Human Use\*:

<input checked="" type="checkbox"/> Roads	<input type="checkbox"/> Foot paths/prints	<input type="checkbox"/> Dock/platform	<input type="checkbox"/> Livestock Watering	<input type="checkbox"/> RV / ATV Tracks
<input type="checkbox"/> Rope swings	<input type="checkbox"/> Camping Sites	<input type="checkbox"/> Fire pit/ring	<input type="checkbox"/> NPDES Discharge	<input type="checkbox"/> Fishing Tackle
<input type="checkbox"/> Other:				

### Site Locations Map(s):

Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

\*Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

Site #2?

Stream Morphology:

Upstream View Physical Dimensions:

<input type="checkbox"/> Riffle	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input checked="" type="checkbox"/> Run	Width (ft): 3.0	Length (ft): 20.0	Avg. Depth (ft): 0.58	Max. Depth (ft): 1.33
<input checked="" type="checkbox"/> Pool	Width (ft): 15.0	Length (ft): 20.0	Avg. Depth (ft): 2.0	Max. Depth (ft): 3.5
<input type="checkbox"/> Flow	Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Estimated (ft <sup>3</sup> /sec): 2.0		

Downstream View Physical Dimensions:

<input type="checkbox"/> Riffle	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input checked="" type="checkbox"/> Run	Width (ft): 3.0	Length (ft): 30.0	Avg. Depth (ft): 0.75	Max. Depth (ft): 1.50
<input checked="" type="checkbox"/> Pool	Width (ft): 10.0	Length (ft): 20.0	Avg. Depth (ft): 0.42	Max. Depth (ft): 0.58
<input type="checkbox"/> Flow	Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Estimated (ft <sup>3</sup> /sec) 2.0		

Substrate\*: (These values should add up to 100%)

% Cobble	50	% Gravel	50	% Sand		% Silt		% Mud/Clay		% Bedrock	
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Aquatic Vegetation\*: (note amount of vegetation or algal growth at the assessment site)

25% algae (close growing)
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Water Characteristics\*: (Mark all that apply.)

Odor:	<input type="checkbox"/> Sewage	<input type="checkbox"/> Musky	<input type="checkbox"/> Chemical	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Other:
Color:	<input checked="" type="checkbox"/> Clear	<input type="checkbox"/> Green	<input type="checkbox"/> Gray	<input type="checkbox"/> Milky	<input type="checkbox"/> Other:
Bottom Deposit:	<input type="checkbox"/> Sludge	<input type="checkbox"/> Solids	<input type="checkbox"/> Fine sediments	<input type="checkbox"/> None	<input checked="" type="checkbox"/> Other: Leaves
Surface Deposit:	<input type="checkbox"/> Oil	<input type="checkbox"/> Scum	<input type="checkbox"/> Foam	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Other:

Comments: Please attach additional comments (including information from interviews) to this form.

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I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate.

Signed: Phil Will Date: 10-5-06

Organization: Alliance Water Resources Position: Local Manager



Highway 36 Bridge  
Upstream  
Lat: 39.7515968  
Lon: 94.1379934

Site 2  
(I think...)  
-8m  
yes-00



Highway 36 Bridge  
Downstream  
Lat: 39.7515968  
Lon: 94.1379934



# Field Data Sheets for Recreational Use Stream Surveys

Site #3?  
gus-08

## Data Sheet B - Site Characterization (A separate data sheet must be completed for each site)

Missouri WBID #: 0531	Site Location Description:	
Site GPS Coordinates: 39.7445 94.1675	Old Highway 36 Bridge	
Date & Time: 10-5-06 15:02	Facility Name:	
Personnel: Phil Webster Tad Pruitt	Permit Number:	
Current Weather Conditions: Warm & Dry	Weather Conditions for Past 7 days: Warm & Dry	
Photo Ids: Upstream: ✓	Downstream: ✓	Other:

### Uses Observed\*:

<input type="checkbox"/> Swimming	<input type="checkbox"/> Skin diving	<input type="checkbox"/> SCUBA diving	<input type="checkbox"/> Tubing	<input type="checkbox"/> Water skiing
<input type="checkbox"/> Wind surfing	<input type="checkbox"/> Kayaking	<input type="checkbox"/> Boating	<input type="checkbox"/> Wading	<input type="checkbox"/> Rafting
<input type="checkbox"/> Hunting	<input type="checkbox"/> Trapping	<input type="checkbox"/> Fishing	<input checked="" type="checkbox"/> None of the above	<input type="checkbox"/> Other:
Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreational uses, etc.)				

### Surrounding Conditions\*: (Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.)

<input type="checkbox"/> City/county parks	<input type="checkbox"/> Playgrounds	<input type="checkbox"/> MDC conservation lands	<input type="checkbox"/> Urban areas	<input type="checkbox"/> Campgrounds
<input type="checkbox"/> Boating accesses	<input type="checkbox"/> State parks	<input type="checkbox"/> National forests	<input type="checkbox"/> Nature trails	<input type="checkbox"/> Stairs/walkway
<input type="checkbox"/> No trespass sign	<input type="checkbox"/> Fence	<input checked="" type="checkbox"/> Steep slopes	<input type="checkbox"/> Other:	

### Evidence of Human Use\*:

<input checked="" type="checkbox"/> Roads	<input type="checkbox"/> Foot paths/prints	<input type="checkbox"/> Dock/platform	<input type="checkbox"/> Livestock Watering	<input type="checkbox"/> RV / ATV Tracks
<input type="checkbox"/> Rope swings	<input type="checkbox"/> Camping Sites	<input type="checkbox"/> Fire pit/ring	<input type="checkbox"/> NPDES Discharge	<input type="checkbox"/> Fishing Tackle
<input type="checkbox"/> Other:				

### Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

\*Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

Site #3?

## Stream Morphology:

## Upstream View Physical Dimensions:

<input type="checkbox"/> Riffle	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input checked="" type="checkbox"/> Run	Width (ft): 10.0	Length (ft): 50.0	Avg. Depth (ft): 0.67	Max. Depth (ft): 0.92
<input type="checkbox"/> Pool	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input type="checkbox"/> Flow	Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Estimated (ft <sup>3</sup> /sec): 2.0	

## Downstream View Physical Dimensions:

<input type="checkbox"/> Riffle	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input checked="" type="checkbox"/> Run	Width (ft): 10.0	Length (ft): 75.0	Avg. Depth (ft): 0.50	Max. Depth (ft): 0.83
<input type="checkbox"/> Pool	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input type="checkbox"/> Flow	Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Estimated (ft <sup>3</sup> /sec): 2.0	

## Substrate\*: (These values should add up to 100%)

% Cobble	50	% Gravel	50	% Sand		% Silt		% Mud/Clay		% Bedrock	
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## Aquatic Vegetation\*: (note amount of vegetation or algal growth at the assessment site)

None observed

## Water Characteristics\*: (Mark all that apply.)

Odor:	<input type="checkbox"/> Sewage	<input type="checkbox"/> Musky	<input type="checkbox"/> Chemical	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Other:
Color:	<input checked="" type="checkbox"/> Clear	<input type="checkbox"/> Green	<input type="checkbox"/> Gray	<input type="checkbox"/> Milky	<input type="checkbox"/> Other:
Bottom Deposit:	<input type="checkbox"/> Sludge	<input type="checkbox"/> Solids	<input type="checkbox"/> Fine sediments	<input type="checkbox"/> None	<input checked="" type="checkbox"/> Other: LEAVES
Surface Deposit:	<input type="checkbox"/> Oil	<input type="checkbox"/> Scum	<input type="checkbox"/> Foam	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Other:

Comments: Please attach additional comments (including information from interviews) to this form.

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I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate.

Signed: [Signature]Date: 10-5-06Organization: Alliance Water ResourcesPosition: Local Manager



Site #3?  
yes

Old Highway 36 Bridge  
Upstream  
Lat: 39.7445134  
Lon: 94.1675500



Old Highway 36 Bridge  
Downstream  
Lat: 39.7445134  
Lon: 94.1675500

## Field Data Sheets for Recreational Use Stream Surveys

Site #4?  
yes

### Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID #: 0531		Site Location Description:	
Site GPS Coordinates: 39.7151 94.1568		Barwick Road Bridge	
Date & Time: 10-5-06 15:14		Facility Name:	
Personnel: Phil Webster Tad Pruitt		Permit Number:	
Current Weather Conditions: Warm & Dry		Weather Conditions for Past 7 days: Warm & Dry	
Photo Ids: Upstream: ✓	Downstream: ✓	Other:	

#### Uses Observed\*:

<input type="checkbox"/> Swimming	<input type="checkbox"/> Skin diving	<input type="checkbox"/> SCUBA diving	<input type="checkbox"/> Tubing	<input type="checkbox"/> Water skiing
<input type="checkbox"/> Wind surfing	<input type="checkbox"/> Kayaking	<input type="checkbox"/> Bunting	<input type="checkbox"/> Wading	<input type="checkbox"/> Rafting
<input type="checkbox"/> Hunting	<input type="checkbox"/> Trapping	<input type="checkbox"/> Fishing	<input checked="" type="checkbox"/> None of the above	<input type="checkbox"/> Other:
Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreational uses, etc.)				

#### Surrounding Conditions\*:

(Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.)

<input type="checkbox"/> City/county parks	<input type="checkbox"/> Playgrounds	<input type="checkbox"/> MDC conservation lands	<input type="checkbox"/> Urban areas	<input type="checkbox"/> Campgrounds
<input type="checkbox"/> Boating accesses	<input type="checkbox"/> State parks	<input type="checkbox"/> National forests	<input type="checkbox"/> Nature trails	<input type="checkbox"/> Stairs/walkway
<input type="checkbox"/> No trespass sign	<input checked="" type="checkbox"/> Fence	<input checked="" type="checkbox"/> Steep slopes	<input type="checkbox"/> Other:	

#### Evidence of Human Use\*:

<input checked="" type="checkbox"/> Roads	<input type="checkbox"/> Foot paths/prints	<input type="checkbox"/> Dock/platform	<input type="checkbox"/> Livestock Watering	<input type="checkbox"/> RV / ATV Tracks
<input type="checkbox"/> Rope swings	<input type="checkbox"/> Camping Sites	<input type="checkbox"/> Fire pit/ring	<input type="checkbox"/> NPDES Discharge	<input type="checkbox"/> Fishing Tackle
<input type="checkbox"/> Other:				

#### Site Locations Map(s):

Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

\*Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

Site #4?

## Stream Morphology:

## Upstream View Physical Dimensions:

<input type="checkbox"/> Riffle	Width (ft)	Length (ft)	Avg. Depth (ft)	Max. Depth (ft)
<input checked="" type="checkbox"/> Run	Width (ft) 10.0	Length (ft) 100.0	Avg. Depth (ft) 1.83	Max. Depth (ft) 2.0
<input checked="" type="checkbox"/> Pool	Width (ft) 20.0	Length (ft) 50.0	Avg. Depth (ft) 2.0	Max. Depth (ft) 3.0
<input type="checkbox"/> Flow Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Estimated (ft <sup>2</sup> /sec): 2.0	

## Downstream View Physical Dimensions:

<input type="checkbox"/> Riffle	Width (ft)	Length (ft)	Avg. Depth (ft)	Max. Depth (ft)
<input type="checkbox"/> Run	Width (ft)	Length (ft)	Avg. Depth (ft)	Max. Depth (ft)
<input checked="" type="checkbox"/> Pool	Width (ft) 10.0	Length (ft) 75.0	Avg. Depth (ft) 2.25	Max. Depth (ft) 2.75
<input type="checkbox"/> Flow Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Estimated (ft <sup>2</sup> /sec): 2.0	

## Substrate\*: (These values should add up to 100%)

10 % Cobble	% Gravel	45 % Sand	45 % Silt	% Mud/Clay	% Bedrock
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## Aquatic Vegetation\*: (note amount of vegetation or algal growth at the assessment site)

None observed

## Water Characteristics\*: (Mark all that apply)

Odor	<input type="checkbox"/> Sewage	<input type="checkbox"/> Musky	<input type="checkbox"/> Chemical	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Other:
Color	<input checked="" type="checkbox"/> Clear	<input checked="" type="checkbox"/> Green	<input type="checkbox"/> Gray	<input type="checkbox"/> Milky	<input type="checkbox"/> Other:
Bottom Deposit:	<input type="checkbox"/> Sludge	<input type="checkbox"/> Solids	<input type="checkbox"/> Fine sediments	<input type="checkbox"/> None	<input checked="" type="checkbox"/> Other: leaves
Surface Deposit	<input type="checkbox"/> Oil	<input type="checkbox"/> Scum	<input type="checkbox"/> Foam	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Other:

Comments: Please attach additional comments (including information from interviews) to this form.

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I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate.

Signed:

*John Well*

Date:

10-5-06

Organization:

Alliance Water Resources

Position:

Local Manager



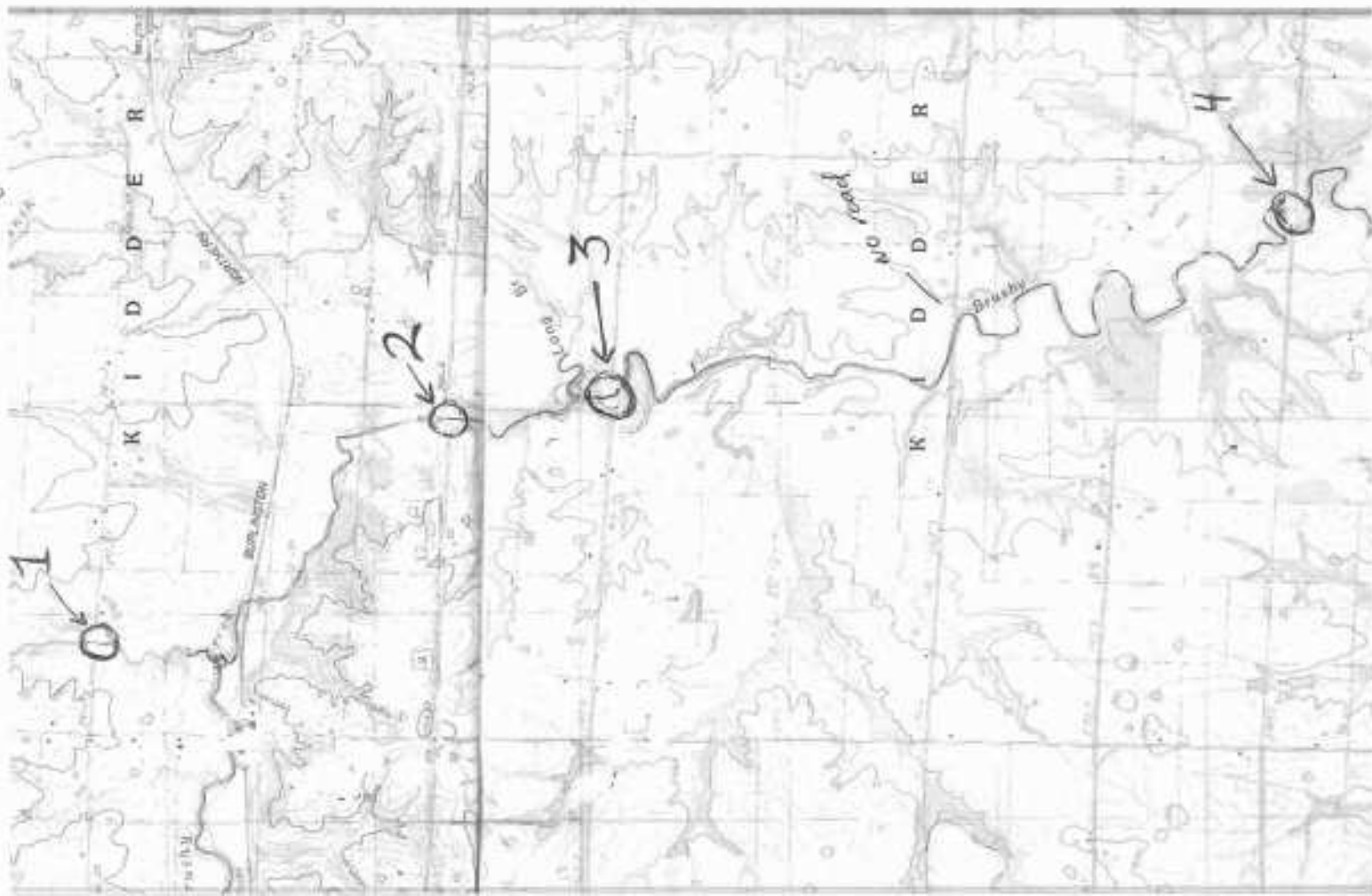
Barwick Road Bridge  
Upstream  
Lat: 39.7151484  
Lon: 94.1568116



Barwick Road Bridge  
Downstream  
Lat: 39.7151484  
Lon: 94.1568116



← Not on Brushy Crk. ? - same 12/2/06

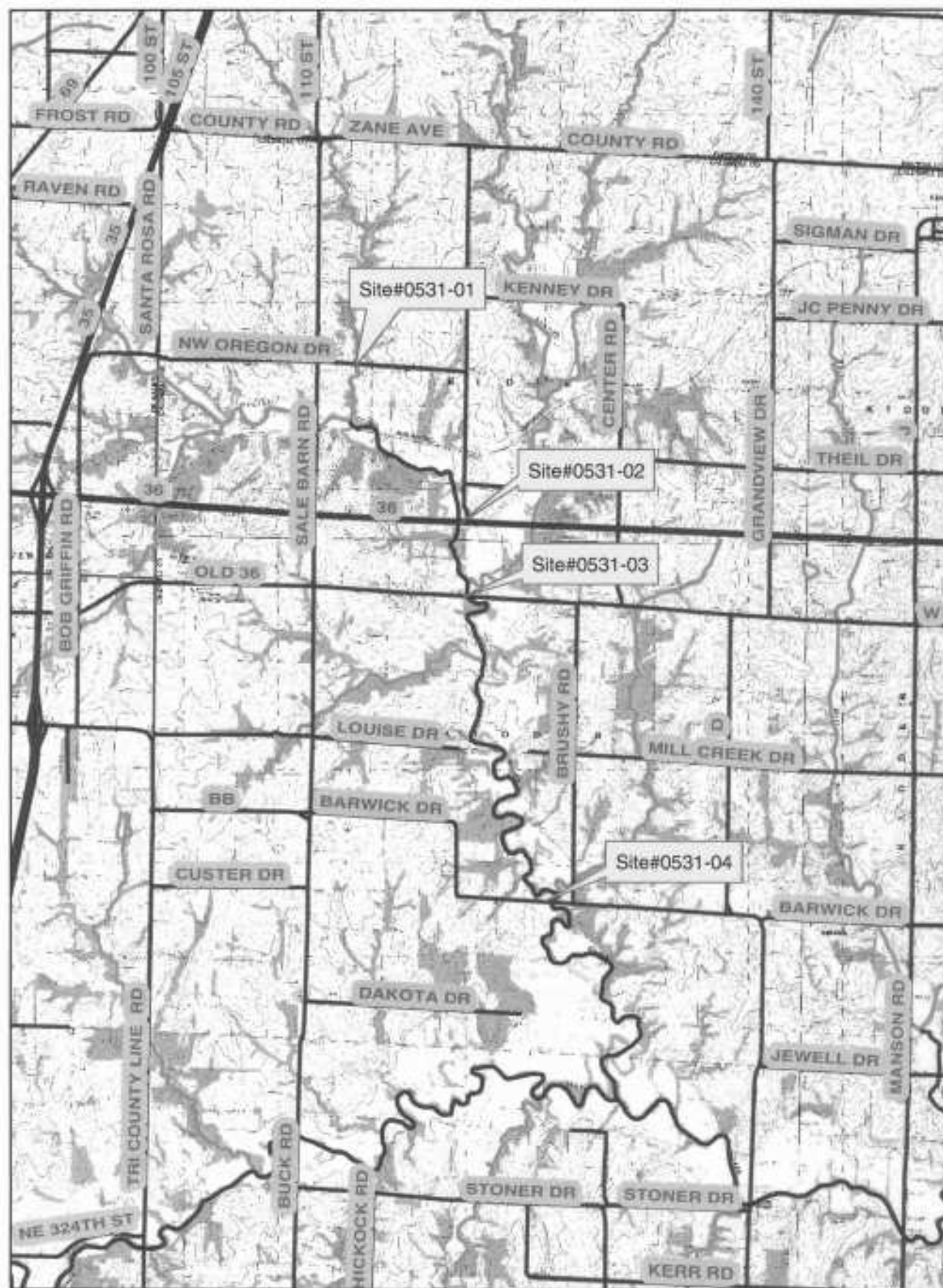


← Aug 36?

← Old Aug 36?

#4 over 1 mile  
upstream  
from "mouth"

# Brushy Creek - WBID 0531 (Class C- 5 Miles)



- M. Hamed, <sup>MO</sup>DNR, 12/4/06



RECEIVED

November 10, 2006

2006 NOV 13 PM 12:51

Alliance Water Resources, Inc  
PO Box 245 – 2311 East Grand Avenue  
Cameron, MO 64429

WATER PROTECTION PROGRAM

Mr. Phil Schroeder  
Missouri Department of Natural Resources  
Water Protection Program  
PO Box 176  
Jefferson City, MO 65102

Dear Mr. Schroeder:

Over the past several weeks, a Use Attainability Analysis (UAA) has been conducted on the classified WBC section of Brushy Creek, described as: mouth to 8, 57N, 29W, Caldwell County, (10 CSR 20.7031 Table H).

The purpose of this UAA is to petition the Clean Water Commission to remove the Whole Body Contact designated use and apply a Secondary Contact Recreation designated use for the above described section of Brushy Creek.

On October 5<sup>th</sup>, 2006, a field study was conducted at 4 sites where roads crossed Brushy Creek. These are the only known road crossings that occur on Brushy Creek. At the first road crossing (Oregon Drive), there was no water present in the creek. At the three subsequent road crossings, (Highway 36, Old Highway 36, and Barwick Road) water was flowing in the creek, but access to the creek was very difficult and no sign of human activity was observed at any of these locations.

On November 2<sup>nd</sup>, 2006 an interview was conducted with a landowner that lives next to Brushy Creek at the Old Highway 36 Bridge. This interview is included with several previous interviews that were conducted with landowners and creek users that live in the area.

SCR

The UAA presented here is actually a continuation of a previous UAA that was submitted in February 2005. The Clean Water Commission ruled inconclusively on the 2005 UAA because approximately two thirds of the stream surveyed was unclassified.

If you have any questions please call me at 816-632-7361.

Sincerely,

Phil Webster, Local Manager, Alliance Water Resources, Cameron Division

Wes

## Interviews

The following interviews were conducted with landowners and/or creek users. Phil Webster conducted all interviews.

A specific set of questions was developed for the interviews. These questions are as follows:

- How do you utilize the creek?
- What value does the creek have to you?
- How many times do you use the creek?
- What are these uses?
- Do you know anyone who uses the creek?
- Do you plan to use the creek in the future?
- If, so what for?

The interviews consisted of me (Phil Webster), asking the questions, and writing down the answers to these questions. The interviews were either conducted in person or over the telephone. The results of the interviews are presented below in narrative form.

### **Name: Cory Stuedel**

Date: 11-24-04

Note: Cory is a local resident, and a senior in high school.

Cory uses the creek to trap furbearers. Cory sets his traps in the creek at the second highway 36-bridge crossing, and at the old highway 36-bridge crossing. Cory stated that he would get creek water splashed on him while running his traps. Cory stated that he has set traps in the creek for several years and plans to continue to use the creek for trapping. Cory stated that he does not see any future changes in how he is using the creek.

### **Name: Gene Robeson**

Date: 11-3-04

Note: Gene is a landowner.

Gene stated that he uses the creek to water his cows from late December to March. He also uses the creek to trap minnows. The creek is valuable to Gene because it saves him money when he uses the creek to water his cows. Gene uses the creek for approximately 3 months, every winter. Gene stated that he does not know of anyone who uses the creek other than his son (Scott). His son uses the creek when hunting. Gene stated that Cory Stuedel asked if he could run traps in the creek on Gene's property, but Gene denied the request because he does not want his dogs to get caught in the traps. Gene stated that he does not anticipate any changes in how he currently utilizes the creek.

**Name: Scott Robeson**

Date: 11-11-04

Note: Scott is Gene's son. He is a sophomore in college.

Scott stated that he uses the creek as a convenient way to get around when hunting. Scott stated that he used the creek to swim in once, about 6 or 7 years ago. Scott stated that he uses the creek every (deer) hunting season. Scott stated that a friend of his, Luke Schlorf, also uses the creek for hunting. Scott does not anticipate any changes in the way he uses the creek. Scott stated that he does not anticipate anyone using the creek for at least the next 10 to 15 years.

**Name: Mike Earley**

Date: 10-25-04

Note: Mike is a landowner.

Mike stated that he does not utilize the creek. Mike row crops in a field adjacent to the creek and stated that in dry years he can raise more crops (bushel per acre) because of the influence the creek has on increasing soil moisture. Mike stated that another landowner; Bill Watkins may utilize the creek. Mike stated that he may use the creek in the future for irrigation, but had no immediate plans to do so.

**Name: Betsy McClure**

Date: 10-25-04

Note: Betsy is a landowner.

Betsy stated that she does not utilize the creek. Betsy has seen hunters around the creek, but does not know who they are, and stated that she does not allow anyone to walk on her property in order to access the creek. Betsy remembers playing in the creek in the late 1970's.

**Name: Steve Heldenbrand**

Date: 10-27-04

Note: Steve is a landowner.

Steve stated that he does not use the creek but does hunt around it. Steve stated that he has no future plans to utilize the creek except, maybe for irrigation. Steve does not know of anyone who uses the creek.



**Name: Bill Watkins**

Date: 11-2-04

Note: Bill is a landowner.

Bill stated that he does not use the creek at all and that all it can be used for is to maybe catch minnows. Bill claims that the creek is too shallow for fishing. Bill stated that he has never used the creek, does not plan to use the creek, and does not know of anyone who uses the creek.

**Name: Nancy Raseo**

Date: 11-2-06

Note: Nancy and her husband Joe are landowners.

Nancy stated that she and her husband have not used the creek in years. They used to walk the creek and look for artifacts. Nancy said that the value of the creek can be good and bad. It is nice to look at, though during flash floods the creek comes over its banks and floods their fields, although it is still a ways from their house. Nancy knows of a trapper who uses the creek in the fall-winter trapping season. She does not know his name. The trapper asks Nancy and her husband permission to trap along the creek. People also stop by on occasion to ask permission to look at the creek. Nancy said that she and her husband have no plans to utilize the creek in the future.